$L638$

#9

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/383,579B

DATE: 09/11/2002
TIME: 10:38:41

Input Set : A:\2531-1-001revised.ST25.txt
Output Set: N:\CRF4\09112002\I383579B.raw

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 3 <110> APPLICANT: Burrell, Michael M.
 4         Cambridge, Amanda P.
 5         Maunders, Martin J.
 6         McQueen-Mason, Simon
 8 <120> TITLE OF INVENTION: Modification of Plant Fibres
10 <130> FILE REFERENCE: 2531-1-001
12 <140> CURRENT APPLICATION NUMBER: 09/383,579B
13 <141> CURRENT FILING DATE: 1999-08-25
15 <150> PRIOR APPLICATION NUMBER: UK 9818808.9
16 <151> PRIOR FILING DATE: 1998-08-29
18 <160> NUMBER OF SEQ ID NOS: 8
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 488
24 <212> TYPE: DNA
25 <213> ORGANISM: eucalyptus grandis
27 <400> SEQUENCE: 1
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30 gctttgagca ctgccctgtt caacaatggc ctgagctgcg gggcatgtta cgagatgcgg       120
32 tgcaacgacg accccaggtg gtgcctcccg gggaccatca tggtcacggc aaccaacttt       180
34 tgccctccca acttggccct ctccaacgac aattgcggct ggtgcaaccc ccctctccag       240
36 cacttcgata tggccgagcc tgctttcttg cagattgccc agtacaaagc tgggattgtc       300
38 caggtttcct tcagaagggt tccgtgtgtg aagaaaggag gggtaaggtt caccatcaat       360
40 gggcactcct acttcaactt ggtgctgatc accaacgtgg gaggtgctgg tgatgtccat       420
42 tccgtttcca tcaagggctc gaggactggt tggcaagcca tgtcaaggaa ctggggcaaa       480
44 aactggca                                                               488
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48 <211> LENGTH: 475
49 <212> TYPE: DNA
50 <213> ORGANISM: eucalyptus grandis
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55 gctttgagca ctgccctgtt caacaatggc ctgagctgcg gggcatgtta cgagatgcgg       120
57 tgcaacgacg accccaggtg gtgcctcccg gggaccatca tggtcacggc aaccaacttt       180
59 tgccctccca acttggccct ctccaacgac aatggcggct ggtgcaaccc ccctctccag       240
61 cacttcgata tggccgagcc tgctttcttg cagattgccc agtacaaagc tgggattgtc       300
63 ccggtttcct tcagaagggt tccgtgtgtg aagaaaggag gggtaaggtt caccatcaat       360
65 gggcactcct acttcagctg tggtgctgat caccaacgtg ggaggtgctg gtgatgtcca       420
67 ttccgtttcc atcaagagct cgaggactgg ttggcaagcc atgtcaagga attga           475
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 494
72 <212> TYPE: DNA
73 <213> ORGANISM: eucalyptus grandis
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75 <400> SEQUENCE: 3
76 atggggggg  catgtggtta  cggggacctt  cacagggcca  cctatggcaa  gtacagtgcc      60
78 ggcttgagct  cgatgctgtt  caacagaggg  agtacctgcg  gggcttgctt  cgagctccgg     120
80 tgcgtcgacc  acattttgtg  gtgcctccct  ggtagcccgt  cggtgatcct  caccgccacc     180
82 gacttctgcc  ctccgaacta  cgggctcgcg  gcagattacg  gcgggtggtg  caacttcccg     240
84 caggagcact  tcgagatgtc  ggaggcggcc  ttcgccgaga  ttgcggtgcg  aagggctgat     300
86 gtggtgccta  tccagtacag  gagggtgaac  tgtctgagaa  gcggtggtct  gagattcaca     360
88 ttgagcggaa  actctcactt  ctttcaggtc  ttggtgacga  atgtaggcct  agatggggag     420
90 gtgattgcca  tgaaaatgaa  gggatcgaaa  acagggtgga  taccgatggc  aagaaactgg     480
92 ggcaaaaact  ggca                                                            494
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96 <211> LENGTH: 437
97 <212> TYPE: DNA
98 <213> ORGANISM: eucalyptus grandis
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101 atgggttgcc  accgggtcct  tgatcctttg  atggccacgg  agtgcacatc  ccctgctccg      60
103 ccgacattgg  ttatgagcac  gaggttgaaa  taagaatggc  cgttgacggt  gaaccggatc     120
105 cctccgcttc  tcctgcacct  cactcttcgg  taggccaccg  ggacgatccc  ggccctgtac     180
107 tgcgcaatgt  gctggaagac  cggctgggag  aggtcgaaat  ggagttgagg  agggtcgcac     240
109 caccctcctg  gagggcagaa  gttggtcgcc  gtgaccacaa  tggcgcccgg  gaggcaccac     300
111 tgcgggtcgt  tcacgcaccg  gagctcaaag  cacgcgccgc  agctcagccc  attgttgaac     360
113 aatgcagtgc  tcagtgcagc  tgtgtttgtg  ccgtaccctt  ggctgtatag  attcccataa     420
115 ccacacgccc  cccccat                                                         437
118 <210> SEQ ID NO: 5
119 <211> LENGTH: 437
120 <212> TYPE: DNA
121 <213> ORGANISM: eucalyptus grandis
123 <400> SEQUENCE: 5
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126 ccgacattgg  ttatgagcac  gaggttgaaa  taagaatggc  cgttgacggt  gaaccggatc     120
128 cctccgcttc  tcctgcacct  cactcttcgg  taggccacag  ggacgatccc  ggccctgtac     180
130 tgcgcaatgt  gctggaagac  aggctgggag  aggtcgaaat  ggagttgagg  agggtcgcac     240
132 caccctcctg  gagggcagaa  gttggtcgcc  gtgacaacaa  tggcgcccgg  gaggcaccac     300
134 tgcgggtcgt  tcacgcaccg  gagctcaaag  cacgcgccgc  agctcagccc  attgttgaac     360
136 aatgcagtgc  tcagtgcagc  tgtgtttgtg  ccgtaccctt  ggctgtatag  attcccataa     420
138 ccacacgccc  cccccat                                                         437
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142 <211> LENGTH: 448
143 <212> TYPE: DNA
144 <213> ORGANISM: eucalyptus grandis
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149 tgcgccgccg  acgtttgtga  cgaggacgag  cttgaagtat  gagttgccgt  tgatggtgaa     120
151 ccggatgcct  cctctcctcc  tgcacgtcac  cctcctgtac  gcaacgtgga  cgatgccggc     180
153 tcggtacttg  gcaatgtgct  ggaagacggg  ctgggagatg  tcgaagtggt  gttggggcgg     240
155 gttgcaccat  ccgccggcgt  tgtttgggag  ggcgttgttt  ggcgggcaga  agtttgtggc     300
157 ggtgacgacg  atggagccgc  ccaggcacca  ctttccgtcg  ttcacgcacc  ggatctcgaa     360
159 gcacgacccc  cagctcagcc  cgttttttaa  cagcgccgtg  ctcagcgccg  ccgtgttcgt     420
161 accgtagccc  tggctgtaca  ggttgccg                                            448
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PATENT APPLICATION: US/09/383,579B   TIME: 10:38:41

Input Set : A:\2531-1-001revised.ST25.txt
Output Set: N:\CRF4\09112002\I383579B.raw

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164 <210> SEQ ID NO: 7
165 <211> LENGTH: 19
166 <212> TYPE: DNA
167 <213> ORGANISM: eucalyptus grandis
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170 <221> NAME/KEY: misc_feature
171 <222> LOCATION: (8)..(8)
172 <223> OTHER INFORMATION: n represents inosine
175 <220> FEATURE:
176 <221> NAME/KEY: misc_feature
177 <222> LOCATION: (5)..(5)
178 <223> OTHER INFORMATION: n represents inosine
181 <220> FEATURE:
182 <221> NAME/KEY: misc_feature
183 <222> LOCATION: (11)..(11)
184 <223> OTHER INFORMATION: n represents a, g, t, or c
187 <220> FEATURE:
188 <221> NAME/KEY: misc_feature
189 <222> LOCATION: (17)..(17)
190 <223> OTHER INFORMATION: n represents a, g, t, or c
193 <400> SEQUENCE: 7
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W--> 194 atggnggngc ntgtggnta   19
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197 <210> SEQ ID NO: 8
198 <211> LENGTH: 20
199 <212> TYPE: DNA
200 <213> ORGANISM: eucalyptus grandis
202 <220> FEATURE:
203 <221> NAME/KEY: misc_feature
204 <222> LOCATION: (12)..(12)
205 <223> OTHER INFORMATION: n = a, g, t, or c
208 <220> FEATURE:
209 <221> NAME/KEY: misc_feature
210 <222> LOCATION: (9)..(9)
211 <223> OTHER INFORMATION: y = t or c
214 <220> FEATURE:
215 <221> NAME/KEY: misc_feature
216 <222> LOCATION: (6)..(6)
217 <223> OTHER INFORMATION: r = a or g
220 <220> FEATURE:
221 <221> NAME/KEY: misc_feature
222 <222> LOCATION: (18)..(18)
223 <223> OTHER INFORMATION: r = a or g
226 <400> SEQUENCE: 8
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W--> 227 tgccarttyt gnccccartt   20

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 09/11/2002
PATENT APPLICATION: US/09/383,579B   TIME: 10:38:42

Input Set : A:\2531-1-001revised.ST25.txt
Output Set: N:\CRF4\09112002\I383579B.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; N Pos. 5,8,11,17
Seq#:8; N Pos. 12

VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/383,579B**

DATE: 09/11/2002
TIME: 10:38:42

Input Set : **A:\2531-1-001revised.ST25.txt**
Output Set: **N:\CRF4\09112002\I383579B.raw**

L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0